

# Olof RÃ¥dmark

## List of Publications by Year in descending order

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49  
papers

5,393  
citations

156536

32  
h-index

242451

47  
g-index

49  
all docs

49  
docs citations

49  
times ranked

7178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of microRNA processing by 5-lipoxygenase. <i>FASEB Journal</i> , 2021, 35, e21193.	0.2	8
2	Dicer up-regulation by inhibition of specific proteolysis in differentiating monocytic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8573-8583.	3.3	10
3	Exosomes and cells from lung cancer pleural exudates transform LTC4 to LTD4, promoting cell migration and survival via CysLT1. <i>Cancer Letters</i> , 2019, 444, 1-8.	3.2	35
4	Modulation of leukotriene signaling inhibiting cell growth in chronic myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2017, 58, 1903-1913.	0.6	12
5	GM-CSF and M-CSF primed macrophages present similar resolving but distinct inflammatory lipid mediator signatures. <i>FASEB Journal</i> , 2017, 31, 4370-4381.	0.2	51
6	Pulmonary sarcoidosis is associated with exosomal vitamin D binding protein and inflammatory molecules. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1186-1194.	1.5	39
7	Androgen-mediated sex bias impairs efficiency of leukotriene biosynthesis inhibitors in males. <i>Journal of Clinical Investigation</i> , 2017, 127, 3167-3176.	3.9	75
8	Structural and Functional Analysis of Calcium Ion Mediated Binding of 5-Lipoxygenase to Nanodiscs. <i>PLoS ONE</i> , 2016, 11, e0152116.	1.1	8
9	Pulmonary epithelial cancer cells and their exosomes metabolize myeloid cell-derived leukotriene C4 to leukotriene D4. <i>Journal of Lipid Research</i> , 2016, 57, 1659-1669.	2.0	39
10	Kinetic investigation of human 5-lipoxygenase with arachidonic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3547-3551.	1.0	10
11	Time-resolved in situ assembly of the leukotriene synthetic 5-lipoxygenase/5-lipoxygenase-activating protein complex in blood leukocytes. <i>FASEB Journal</i> , 2016, 30, 276-285.	0.2	51
12	Linking microsomal prostaglandin E Synthase-1/PGE-2 pathway with miR-15a and miR-186 expression: Novel mechanism of VEGF modulation in prostate cancer. <i>Oncotarget</i> , 2016, 7, 44350-44364.	0.8	24
13	Lipoxin and resolvin biosynthesis is dependent on 5-lipoxygenase activating protein. <i>FASEB Journal</i> , 2015, 29, 5029-5043.	0.2	70
14	Phosphorylation of serine 523 on 5-lipoxygenase in human B lymphocytes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 100, 33-40.	1.0	6
15	5-Lipoxygenase, a key enzyme for leukotriene biosynthesis in health and disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 331-339.	1.2	371
16	Modulation of Leukotriene Signaling Affecting Cell Growth in Chronic Myeloid Leukemia: A Key Pathway to Cure?. <i>Blood</i> , 2015, 126, 5137-5137.	0.6	0
17	Roles of coactosin-like protein (CLP) and 5-lipoxygenase-activating protein (FLAP) in cellular leukotriene biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11371-11376.	3.3	40
18	A mutation interfering with 5-lipoxygenase domain interaction leads to increased enzyme activity. <i>Archives of Biochemistry and Biophysics</i> , 2014, 545, 179-185.	1.4	17

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19	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. <i>Nature Cell Biology</i> , 2014, 16, 1180-1191.	4.6	2,241
20	Stabilisation and characterisation of the isolated regulatory domain of human 5-lipoxygenase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1538-1547.	1.2	11
21	In vivo sex differences in leukotriene biosynthesis in zymosan-induced peritonitis. <i>Pharmacological Research</i> , 2014, 87, 1-7.	3.1	44
22	Zymosan suppresses leukotriene C <sub>4</sub> synthase activity in differentiating monocytes: antagonism by aspirin and protein kinase inhibitors. <i>FASEB Journal</i> , 2011, 25, 1417-1427.	0.2	23
23	Exosomes from human macrophages and dendritic cells contain enzymes for leukotriene biosynthesis and promote granulocyte migration. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 1032-1040.e4.	1.5	200
24	Regulation of the activity of 5-lipoxygenase, a key enzyme in leukotriene biosynthesis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 105-110.	1.0	127
25	5-Lipoxygenase: mechanisms of regulation. <i>Journal of Lipid Research</i> , 2009, 50, S40-S45.	2.0	129
26	5-Lipoxygenase: Regulation and possible involvement in atherosclerosis. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 83, 162-174.	1.0	61
27	5-Lipoxygenase: regulation of expression and enzyme activity. <i>Trends in Biochemical Sciences</i> , 2007, 32, 332-341.	3.7	401
28	Regulation of 5-lipoxygenase enzyme activity. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 102-110.	1.0	56
29	Arachidonate 5-lipoxygenase. <i>Prostaglandins and Other Lipid Mediators</i> , 2002, 68-69, 211-234.	1.0	86
30	EPR Investigation of the Active Site of Recombinant Human 5-Lipoxygenase: Inhibition by Selenide. <i>Biochemistry</i> , 2001, 40, 6371-6378.	1.2	24
31	Coactosin-like protein, a human F-actin-binding protein: critical role of lysine-75. <i>Biochemical Journal</i> , 2001, 359, 255-263.	1.7	62
32	Phorbol ester up-regulates capacities for nuclear translocation and phosphorylation of 5-lipoxygenase in Mono Mac 6 cells and human polymorphonuclear leukocytes. <i>Blood</i> , 2001, 97, 2487-2495.	0.6	76
33	Analysis of a nucleotide-binding site of 5-lipoxygenase by affinity labelling: binding characteristics and amino acid sequences. <i>Biochemical Journal</i> , 2000, 351, 697-707.	1.7	36
34	Calcitriol and transforming growth factor-beta upregulate 5-lipoxygenase mRNA expression by increasing gene transcription and mRNA maturation. <i>FEBS Journal</i> , 1998, 254, 275-281.	0.2	42
35	Egr-1 and Sp1 Interact Functionally with the 5-Lipoxygenase Promoter and Its Naturally Occurring Mutants. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 316-323.	1.4	118
36	Mutations at the C-Terminal Isoleucine and Other Potential Iron Ligands of 5-Lipoxygenase. <i>FEBS Journal</i> , 1995, 230, 401-407.	0.2	60

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37	Molecular cloning of a 12-lipoxygenase cDNA from rat brain. FEBS Journal, 1993, 212, 605-612.	0.2	96
38	Purification of two forms of arachidonate 15-lipoxygenase from human leukocytes. FEBS Journal, 1991, 202, 1231-1238.	0.2	20
39	Human fibroblasts show expression of the leukotriene-A4-hydrolase gene, which is increased after simian-virus-40 transformation. FEBS Journal, 1990, 191, 27-31.	0.2	25
40	14,15-Dihydroxy-5,8,10,12-eicosatetraenoic. Enzymatic formation from 14,15-leukotriene A4. FEBS Journal, 1988, 173, 531-536.	0.2	8
41	Guinea-pig liver leukotriene A4 hydrolase. Purification, characterization and structural properties. FEBS Journal, 1988, 174, 717-724.	0.2	27
42	Mechanisms of leukotriene-induced contractions of guinea pig airways: Leukotriene C <sub>4</sub> has a potent direct action whereas leukotriene B <sub>4</sub> acts indirectly. Acta Physiologica Scandinavica, 1983, 118, 393-403.	2.3	78
43	Effects of novel leukotrienes on neutrophil migration. FEBS Letters, 1982, 144, 81-84.	1.3	37
44	Leukotriene-induced neutrophil aggregation in vitro. FEBS Letters, 1982, 147, 180-182.	1.3	78
45	Transformation of 15-hydroperoxy-5,9,11,13-eicosatetraenoic acid into novel leukotrienes. FEBS Letters, 1981, 126, 127-132.	1.3	81
46	Leukotriene B <sub>4</sub> : A highly potent and stereospecific factor stimulating migration of polymorphonuclear leukocytes. Acta Physiologica Scandinavica, 1980, 110, 449-451.	2.3	141
47	The inhibitory effects of BW 755C on arachidonic acid metabolism in human polymorphonuclear leukocytes. FEBS Letters, 1980, 110, 213-215.	1.3	77
48	Leukotriene C4 : isolation from human polymorphonuclear leukocytes. FEBS Letters, 1980, 122, 87-90.	1.3	62
49	Arachidonic Acid Binding Proteins in Human Neutrophils. , 0, , 285-307.		0